




भारत का राजपत्र

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प्राधिकार से प्रकाशित

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No. 52] NEW DELHI, SATURDAY, DECEMBER 30 1989 (PAUSA 9, 1911)

इस भाग में भिन्न पृष्ठ संख्या दी जाती है जिसे हि प्राचलन संहिता के रूप में रखा जा सके।
[Separate paging is given to this Part in order that it may be filed as a separate compilation]

भाग III—खण्ड 2

[PART III—SECTION 2]

पेटेन्ट कार्यालय द्वारा जारी की गई पेटेन्टों और डिजाइनों से सम्बन्धित अधिसवनाएं और लोटिस
[Notifications and Notices issued by the Patent Office relating to Patents and Designs]

THE PATENT OFFICE
PATENTS AND DESIGNS

Calcutta, the 30th December 1989

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Telegraphic address "PATOFFICE".

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Municipal Market Building,
Saraswati Marg, Karol Bagh,
New Delhi-110 005

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Telegraphic address "PATENTOFIC".

Patent Office Branch,
61, Wallajah Road,
Madras-600 002

The States of Andhra Pradesh, Karnataka, Kerala, Tamilnadu, and the Union Territories of Pondicherry, Laccadive, Minicoy and Amindivi Islands.

Telegraphic address "PATENTOFIS".

Patent Office, (Head Office),
"NIZAM PALACE", 2nd M.S.O. Building,
5th, 6th and 7th Floor,
234/4, Acharya Jagadish Bose Road,
Calcutta-700 020

Telegraphic address "PATENTS".

Rest of India.

All applications, notices, statements or other documents or any fees required by the Patents Act, 1970 or the Patents Rules, 1972 will be received only at the appropriate Offices of the Patent Office.

Fees:—The fees may either be paid in cash or may be sent by Money Order or Postal Order, payable to the Controller at the appropriate Offices or by bank draft or cheque, payable to the Controller drawn on a scheduled bank at the place where the appropriate office is situated.

पेटेंट कार्यालय
एकस्व तथा अभिकल्प
कलकत्ता, दिनांक 16 दिसम्बर 1989

पेटेंट कार्यालय के कार्यालयों के पासे एवं अधिकारीकार
पेटेंट कार्यालय का प्रधान कार्यालय कलकत्ता में अवशिष्ट है
तथा बम्बई, दिल्ली एवं मुम्बई में इसके शाखा कार्यालय हैं,
जिनके प्रबन्धेशिक अधिकारी जोन के आधार पर निम्न रूप में
प्रदर्शित हैं :—

पेटेंट कार्यालय शास्त्रा, टोडो इस्टेट
तीसरा तल, लोअर परले (परिषद्म),
गृहरात, महाराष्ट्र तथा भूष्य प्रदेश राज्य क्षेत्र
एवं संघ शासित क्षेत्र गोआ, इमन तथा दिव
एवं दादरा और नगर हवेली।

तार पता—“पेटेंटोफिस”।

पेटेंट कार्यालय शास्त्रा,
एकक सं. 401 से 405, तीसरा तल,
नगरपालिका बाजार भवन,
सरस्वती भार्ग, करोलबाग,
नई दिल्ली-110 005.

हाँर्याणा, हिमाचल प्रदेश, जम्मू तथा कश्मीर,
पंजाब, राजस्थान तथा उत्तर प्रदेश
राज्य क्षेत्रों एवं संघ शासित क्षेत्र
चंडीगढ़ तथा दिल्ली।

तार पता—“पेटेंटोफिस”।

पेटेंट कार्यालय शास्त्रा,
61, वालाजाह रोड,
मुम्बई-600 002.

जांधु प्रदेश, कर्नाटक, केरल, तमिलनाडु राज्य क्षेत्र
एवं संघ शासित क्षेत्र पांडुचेरी, लक्षद्वीप,
मिनिकाय तथा एसिनिदिवि द्वीप।

तार पता—“पेटेंटोफिस”।

पेटेंट कार्यालय (प्रधान कार्यालय),
निवास पैलेस, द्वितीय दहुतलीय कार्यालय भवन,
5, 6 तथा 7वां तल,
234/4, आचार्य जगदीश बोस रोड,
कलकत्ता-700 020.

भारत का अवशेष क्षेत्र।

तार पता—“पेटेंट्स”।

पेटेंट अधिनियम, 1970 या पेटेंट नियम, 1972 द्वारा
अपेक्षित सभी आवेदन पत्र, सूचनाएँ, विवरण या अन्य प्रसेक
पेटेंट कार्यालय के क्षेत्र उपयुक्त कार्यालय अवस्थित हैं ही प्राप्त किए
जायेंगे।

बाल्क :—बाल्कों की जदायगी या तो नकद की जायेगी अथवा
उपयुक्त कार्यालय में नियंत्रक को भूगतान योग्य भावादेश अवधा
दाक आवेदन या जहां उपयुक्त कार्यालय अवस्थित है; उस स्थान
के अनुसूचित दौक से नियंत्रक को भूगतान योग्य दौक छाप्ट
अथवा घेक द्वारा की जा सकती है।

PATENTS & DESIGNS
CALCUTTA 700020
CORRIGENDUM

In the Gazette of India, Part-III, Section 2 dated the
25th November, 1989 under the heading “PATENTS
SEALED” READ the number 164551 as 164515.

GOVERNMENT OF INDIA

THE PATENT OFFICE

Calcutta, the 30th December, 1989

APPLICATIONS FOR PATENTS FILED AT THE
HEAD OFFICE 234/4, ACHARYA JAGADISH BOSE
ROAD, CALCUTTA-20

The dates shown in the crescent brackets are the dates
claimed under section 135, of the Patents Act, 1970.

The 21st November, 1989

964/Cal/89. Imz Fertigungs-Und Vertriebsgesellschaft Fur
Dentale Technologie Mbh. Enossal implant with
an elastic intermediate element and metal spacer
sleeve.

965/Cal/89. Du Pont Canada Inc. Film laminate with easy
Tear. (Convention date 5th December,
1988) (U.K.).

966/Cal/89. General Electric Company. Electronic meter
digital phase compensation.

The 22nd November, 1989

967/Cal/89. Anil Bhushan Majumder. Emergency Telephone number sticker.

968/Cal/89. Anil Bhushan Majumder. Fire telephone number sticker.

969/Cal/89. Hitachi Construction Machinery Co. Ltd. Hydraulic drive system.

970/Cal/89. Samsung Electron devices Co. Ltd. Manufacturing method for phosphor screen of color cathode ray tube.

971/Cal/89. Samsung Electron devices Co. Ltd. Resistance welding method for clad metal sheet, and device thereof.

The 23rd November, 1989

972/Cal/89. Kernforschungsanstalt Julichgesellschaft Mit Beschränkter Haftung. Enzymatic process for preparation of rosmarinic acid.

973/Cal/89. Projects & Development India Limited. An improved process for obtaining stack gases having pollutants within permissible limits in a conventional nitric acid plant.

974/Cal/89. Pencell Company, Ltd. Mechanically controlled writing apparatus with pre sharpened pencil lead elements.

975/Cal/89. Australian Ozone Corporation Pty. Limited. Water treatment. (Convention date November 25, 1988) (Australia).

APPLICATIONS FOR PATENTS FILED IN THE PATENT OFFICE BRANCH AT TODI ESTATES, 3RD FLOOR, SUN MILL COMPOUND, LOWER PAREL (WEST), BOMBAY-400 013

The 23rd October, 1989

284/Bom/89. Wipro Information Technology Limited. Supermini Computer.

285/Bom/89. Avinash Anandrao Gawande. Digital Impactometer.

286/Bom/89. Avinash Anandrao Gawande. Steadiness Analyser.

287/Bom/89. Avinash Anandrao Gawande. Response Analyser.

288/Bom/89. Avinash Anandrao Gawande. Rowing Machine.

The 24th October, 1989

289/Bom/89. Kabushiki Kaisha Toshiba. Digital Control system.

290/Bom/89. P.M. Balakrishnan. Door lock in the name of Lock-in-Lock.

The 25th October, 1989

291/Bom/89. S. Viswanathan & Others. Method of manufacture of special grade Trinito Toluene with solidification point 80.6°C (Min.) without recourse to recrystallisation.

292/Bom/89. Honnavally Ramaswamy Gopalswamy. A portable device for directly chilling and storing milk.

The 27th October, 1989

293/Bom/89. Navin Dayalal Vadalia. Kinetic Energy Absorbing Bumpers.

The 1st November 1989

294/Bom/89. Hoechst India Limited. A process for the preparation of novel pharmacologically active 2-hydroxy acetoxy substituted poly-oxygenated labdane derivatives.

295/Bom/89. Hoechst India Limited. A process for the preparation of novel pharmacologically active 6-substituted polyoxygenated labdane derivatives.

The 2nd November, 1989

296/Bom/89. Hindustan Lever Limited. Process for preparing a high bulk density granular detergent composition.

The 3rd November, 1989

297/Bom/89. Hoechst India Limited. A process for the production of a new antibiotic Deoxymulundocandin from a microorganism Aspergillus sydowii (Bainier and Sartory)** Thom and Church var. nov. mulundensis Roy (Culture No. Y-30462).

APPLICATIONS FOR PATENTS FILED AT THE PATENT OFFICE BRANCH, 61, WALLAJAH ROAD, MADRAS-600 002

The 6th November, 1989

811/Mas/89. Ruddaraju Stayanarayana Raju. Machine for transplanting paddy and the like crop seedlings.

812/Mas/89. N. K. Prasada Rao. Manual bore well.

813/Mas/89. HMT Limited. Single axis self feed tapping unit with hydraulic motor drive.

814/Mas/89. HMT Limited. Clamping unit for facing & centring vices actuation.

815/Mas/89. HMT Limited. Quill type tapping unit.

816/Mas/89. HMT Limited. Hydraulic quill feed unit.

817/Mas/89. HMT Limited. Rotary table with hydraulic motor drive.

818/Mas/89. Minnesota Mining and Manufacturing Company. Retroreflective sheeting adapted to be bonded to vulcanizable or curable substrate.

819/Mas/89. Tecumseh Products Company. Hermetic compressor having resilient internal mounting.

820/Mas/89. A. Wasey Omar & Khalid Omer. Double-lift dobbey.

821/Mas/89. Schubert & Salzer. Thread-splicing apparatus for connecting threads in knot-free manner and a process for preparing thread ends.

The 7th November, 1989

822/Mas/89. Mitsui Toatsu Chemicals, Inc. The improvement in a process for producing 1,3-dialkyl-2-imidazolidinone. (Divisional to Patent Application No. 246/Mas8/86).

823/Mas/89. Mitsui Toatsu Chemicals, Inc. The improvement in a process for producing 1,3-dialkyl-2-imidazolidinone. (Divisional to Patent Application No. 246/Mas8/86).

824/Mas/89. Minnesota mining and Manufacturing Company. Ceramic alumina abrasive grains seeded with iron oxide.

825/Mas/89. The Haser Company Limited. Gas Resonance device. (November 10, 1988; Great Britain).

826/Mas/89. The Haser Company Limited. Pressure swing gas (November 10, 1988; Great Britain).

827/Mas/89. Maschinenfabrik Rieter AG. Comber head for a combing machine.

The 8th November, 1989

828/Mas/89. Union Carbide Canada Limited. Removal and recovery of sulphur dioxide from gas streams. (November 9, 1988; Canada).

829/Mas/89. Union Carbide Canada Limited. Gas scrubbing process. (November 9, 1988; Canada).

830/Mas/89. The Manitowoc Company, Inc. A crane and lift enhancing beam attachment with moveable counterweight.

831/Mas/89. Don Reynolds International Limited. Building System. (November 11, 1988; United Kingdom).

The 9th November, 1989

832/Mas/89. P. Subba Rao. Manufacture of pure, dilute phosphoric acid for preparation of Di-calcium phosphate and tri-calcium phosphate.

833/Mas/89. Gene Wylie Adams. Imaging doppler interferometer. (Divisional to Patent Application No. 79/Mas8/86).

834/Mas/89. Maschinenfabrik Rieter AG. A method of automatic conveyance of textile material in recipients.

OPPOSITION PROCEEDINGS

An opposition has been entered by Steelsworth Pvt. Limited to the grant of a Patent on application No. 164840 made by Trade & Industry Pvt. Limited.

PATENTS SEALED

151775	164033	164034	164058	164061	164135	164163
164167	164209	164210	164218	164219	164231	164256
164273	164274	164275	164276	164329	164344	164349
164621	164622	164623	164624	164625	164626	164627
164629	164630	164631	164632	164633	164634	164635
164636	164637	164792.				

CAL — 11

MAS — 17

DEL — 8

BOM — 2

RENEWAL FEES PAID

145230	146363	146937	147662	148315	148460	148551
148580	148587	148669	148773	148933	148974	149122
149225	149613	149834	149996	150591	150716	150996
151975	152144	152184	152307	152308	152309	152542
152572	152693	152721	152925	152985	152998	153001
153041	153437	153829	153872	154324	154552	154556
154727	154849	155088	155132	155428	155601	155604
155627	155660	155335	156719	156819	156878	156883
156887	157087	157088	157159	157169	157205	157206
157207	157249	157462	157388	157769	157897	158246
158300	158351	158459	158525	158592	158880	158941
158989	159107	159139	159241	159415	159521	159542
159921	160046	160342	160666	160741	160744	161129
161163	161218	161279	161280	161326	161419	161456
161458	161494	161495	161496	161505	161662	161806
162217	162257	162300	162312	162321	162336	162398
162399	162445	162478	162494	162592	162595	162625
161675	162727	162731	162772	162775	162875	162936
162939	163002	163108	163189	163190	163233	163274
163275	163276	163279	163280	163294	163313	163397
163398	163411	163412	163415	163425	163426	163442
163625	163626	163636	163643	163650	163676	163677
163678	163714	163719	163759	163819	163836	163887
163930	163936	163937	163938	163945	164021	164023
164024	164029	164184	164472	164505	164531	164573
164575	164591	164592.				

COMPLETE SPECIFICATION ACCEPTED

Notice is hereby given that any person interested in opposing the grant of patents on any of the applications concerned, may, at any time within four months of the date of this issue or within such further period not exceeding one month applied for on Form 14 prescribed under the Patents Rules, 1972 before the expiry of the said period of four months, give notice to the Controller of Patents on the prescribed Form 15, of such opposition. The written statement of opposition should be filed alongwith the said notice or within one month of its date as prescribed in Rule 36 of the Patents Rules, 1972.

"The classifications given below in respect of each specification are according to Indian Classification and International Classification."

A limited number of printed copies of the specifications listed below will be available for sale from the Government of India Book Depot, 8, Kiran Sankar Roy Road, Calcutta, in due course. The price of each specification is Rs. 2/- (postage extra if sent out of India). Requisition for the supply of the printed specifications should be accompanie by the number of the specification as shown in the following list.

Typed or photo copies of the specifications together with photo copies of the drawings, if any, can be supplied by the Patent Office, Calcutta on payment of the prescribed copying charges which may be ascertained on application to that office. Photo copying charges may be calculated by adding the number of pages in the specification and drawing sheets mentioned below against each accepted specification and multiplying the same by four to get the charges as the copying charges per page are Rs. 4/-.

स्वीकृत सम्पूर्ण विनियोग

एउद्देश्यार्थ सूचना दी जाती है कि सम्बद्ध आवेदनों में से किसी पर पेटैट अनुदान का विरोध करने के इच्छुक को है व्यक्ति, इसके नियम की तिथि से 4 महीने वा अधिक ऐसी अवधि जो उसी 4 महीने का अवधि की समाप्ति के पूर्व पेटैट नियम 1972 के तहत विहित प्रपञ्च 14 पर आवेदित एक महीने की अवधि से अधिक न हो के भीतर कभी भी नियंत्रक, एकस्व वा एसे विरोध की सूचना विहित प्रपञ्च 15 पर दे सकते हैं। विरोध सम्बन्धी लिखित वक्तव्य; उक्त सूचना के साथ अथवा पेटैट नियम, 1972 के नियम 36 में दोनों विहित इसकी तिथि के एक महीने के भीतर ही फाइल किए जाने आहिए।

"प्रत्येक विनियोग के संदर्भ में नीचे दिए वगीकरण, भारतीय वगीकरण तथा अर्नराष्ट्रीय वगीकरण के अनुरूप है।"

नीचे सूचीगत विनियोगों को सीमित संख्यक में मुद्रित प्रतियों, भारत सरकार बुक डिपो, 8 किरण शंकर राय रोड, कलकत्ता में विक्रय हेतु यथासमय उपलब्ध होंगी। प्रत्येक विनियोग का गूल्य 2/- रु. है। (यदि भारत के बाहर भेजे जाए तो डिप्टिरिक डाक रुप्ता)। मुद्रित विनियोग की आपूर्ति हेतु मांग-पत्र के साथ निम्नलिखित सूची में दोनों प्रदर्शित विनियोगों की संख्या संलग्न रहनी चाहिए।

रूपांकन (प्रिंट आर्ट्स) की फोटो प्रतियां यदि कोई हों, के राख विनियोगों की टंकित अथवा फोटो प्रतियों की आपूर्ति पेटैट कार्यालय, कलकत्ता, इवारा विहित लिप्यान्तरण प्रभार (उक्त कार्यालय से पत्र व्यवहार इवारा मुश्वित्रत करने के उपरांत उक्तको अधारिती पर की जा सकती है)। विनियोग की पृष्ठ संख्या दो साथ प्रत्येक स्वीकृत विनियोग के सामने नीचे वर्णित चिन्ह घार से कागजों को जालकर उसे 4 से गुणा करके; (क्योंकि प्रत्येक पृष्ठ का लिप्यान्तरण प्रभार 4/- रु. है) फोटो लिप्यान्तरण प्रभार का परिकलन किया जा सकता है।

1.u. CLASS : H 01 H 9/00, H 01 K 5/00

165721

DEVICE FOR SEPARABLY ASSEMBLING TWO ENCLOSURES OF AN ELECTRICAL CUT-OUT APPARATUS CONTAINING FLUID UNDER PRESSURE.

Applicant : ALSTHOM, OF 38, AVENUE KLEBER, 75724 PARIS CEDEX 16, FRANCE, A FRENCH BODY CORPORATE.

Inventor : DANTE NICOLOSO.

Application for Patent No. 585/Del/85 filed on 23rd July, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

2 Claims

A device for separately assembling first and second enclosure of an electrical cut-out apparatus :

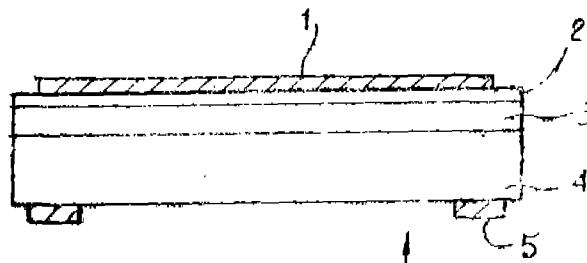
each said enclosure containing dielectric fluid under pressure, and in communication with each other in operation of the cut-out apparatus;

the device comprising between the two enclosures an intermediate slideable sealing air lock having first means for sealing the first enclosure and second sealing means for sealing the second enclosure;

A power transmission system for transmitting relatively large amounts of power over relatively large distances from a power generating station to a power consuming station which comprises:

optical power emission means at said power generating station, said emission means consisting of high power station, said emission means consisting of gas or solid state lasers or superluminescent diodes;

one or more long wavelength optical fibers of the multi-mode type connected through an end thereof from said power emission means at the power generating station, said fibres having relatively thick cores with diameters in the range of 5 to 300 μ m and the optical power transmitted through said fibres having a wavelength in the range of 0.70 to 1.70 μ m, the opposite end of said one or more optical fibres being directed on to at least one photo-responsive device, the output of said at least one photo-responsive device being connected to a power utilisation device at the power consuming station, said at least one photo-responsive device comprising a photo-voltaic cell having a layered structure of indium phosphide and indium gallium arsenide suitably doped for the conversion of light energy to electrical energy.



Compl. specn. 15 pages

Drg. 2 sheets

Int. CLASS⁴ : H04 M 3/00

165724

SYSTEM FOR PROCESSING A GIVEN NUMBER OF INFORMATION SIGNALS RECEIVED SIMULTANEOUSLY OVER TELEPHONE COMPANY TRUNK LINES FOR SIMULTANEOUS TRANSMISSION OVER A GIVEN RADIO FREQUENCY (RF) CHANNEL.

Applicant : INTERNATIONAL MOBILE MACHINE CORPORATION, A CORPORATION OF THE STATE OF PENNSYLVANIA, U.S.A., OF 100 NORTH 20TH STREET, PHILADELPHIA, PENNSYLVANIA 19103, UNITED STATES OF AMERICA.

Inventors : ERIC PANETH AND MARK JOSEPH HANDZEL.

Application for Patent No. 855/Del/85 filed on 15th October, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

8 Claims

A system for processing a given plural number of information signals received simultaneously over telephone company trunk lines for simultaneous transmission over a given radio frequency (RF) channel, comprising:

a base station having conversion means for respective connection to said trunk lines for converting the information signals received over said trunk lines into digital signal samples;

a given plural number of separate signal compression means connected to said conversion means for simultaneously compressing the digital signal samples respectively derived from separate ones of the conversion means to provide said given number of separate compressed signals;

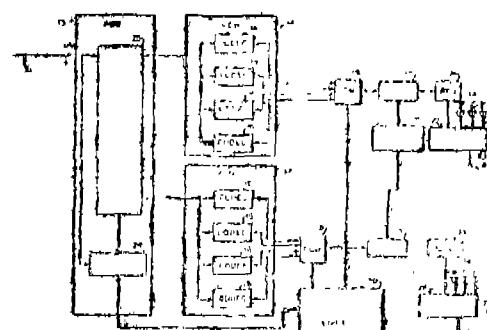
channel control means connected to the compression means for sequentially combining the compressed signals into a single transmit channel bit stream, with each of the respective compressed signals occupying a repetitive sequential slot position in the transmit channel bit stream associated with a predetermined one of the separate compression means;

an exchange connected between the conversion means and the compression means coupling the respective conversion means to the respective compression means;

remote-connection processor means coupling said trunk lines to said conversion means and responsive to an incoming call request signal received over one of said trunk lines by providing a slot assignment signal indicating which one of the separate compression means the exchange is to connect to a corresponding conversion means and thereby assigning to the corresponding trunk line the slot in the transmit channel bit stream associated with that one of the separate compression means that is so connected by the exchange means, wherein the remote-connection processor means has a memory of which slots are so assigned and consults said memory upon receipt of a said incoming call request and then provides a said slot assignment signal that effects a said connection to a compression means associated with one of the slots that is not assigned to another trunk line;

call processor means connected to the remote-connection processor means and responsive to a said slot assignment signal for causing the exchange to complete the connection indicated by said slot assignment signal; and

transmitter means connected to said call processor means for providing a transmit channel signal for transmission over the given RF channel in response to the transmit channel bit stream.



Compl. specification 218 pages

Drg. 8 sheets

Int. CLASS⁴ : D 06 M 13/00

165725

A STABLE SUBSTANTIALLY NON-AQUEOUS CONCENTRATED FABRIC SOFTENING COMPOSITION AND METHOD OF FORMING THE SAME.

Applicant : COLGATE-PALMOLIVE COMPANY, OF 300 PARK AVENUE, NEW YORK, NEW YORK 10022, UNITED STATES OF AMERICA.

Inventor(s) : YVON DEMANGEON, MICHEL JULE-MONT & MARIE-HELENE FRAIKIN.

Application for Patent No. 998/Del/85 filed on 26th November, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

8 Claims

A stable substantially non-aqueous concentrated fabric softening composition comprising 20 to 78% of water dispersible quaternary ammonium compound cationic softener as herein described, 78 to 20% of hexylene glycol and 1 to 15% of a non-ionic surfactant as herein described.

Compl. specn. 16 pages

Drg. 1 sheet

Int. CLASS⁴ : C 07 C 85/11

165726

A PROCESS FOR THE PRODUCTION OF AMMONIA BY PHOTO CATALYTIC REDUCTION OF MOLECULAR NITROGEN.

Applicant : COUNCIL OF SCIENTIFIC & INDUSTRIAL RESEARCH, RAFI MARG, NEW DELHI-110 001, INDIA, AN INDIAN BODY REGISTERED INCORPORATED UNDER THE REGISTRATION OF SOCIETIES ACT (ACT XXI).

Inventors : MIRZA MOHAMMED TAQUI KHAN, RAMESH CHANDRA BHARDWAJ AND CHHAYA BHARDWAJ.

Application for Patent No. 1004/Del/85 filed on 29th November, 1985.

Complete Specification left on 12th February, 1987.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

8 Claims

A process for the production of ammonia by photo catalytic reduction of molecular nitrogen which comprises :

preparing a semi conductor having hexagonal crystal structure by precipitating the semi conductor material and annealing at a temperature ranging from 300°-500°C;

loading the resultant semi conductor material with a noble metal and a transition metal oxide;

suspending the loaded semi conductor in an aqueous solution of dinitrogen complex of rhuthenium of the type $R_u^{II}(L)(N_2)K$ where L is ethylene diamine tetra acetic acid, (EDTA), hydroxy ethylene diamine tetra acetic acid (HEDTA) and diamino cyclohexane tetra acetic acid (DCTA) and passing visible light under inert atmosphere.

(The product of invention is useful as a source for fertilizer industry and also for registration and chemical reactions.)

Provisional specification 4 pages.

Compl. specn. 11 pages.

Int. CLASS⁴ : C 01 B 17/05

165727

METHOD FOR RECOVERING ELEMENTAL SULFUR FROM A HYDROGEN SULFIDE CONTAINING GAS STREAM.

Applicant : THE M. W. KELLOGG COMPANY, A CORPORATION OF THE STATE OF DELAWARE, U.S.A. HAVING A PLACE OF BUSINESS AT THREE GREENWAY PLAZA HOUSTON TEXAS 77016, UNITED STATES OF AMERICA.

Inventors : WALTER ALVIN CRONKRIGHT, MAURY IRA SCHLOSSMAN, AAGE SOLBAKKEN & CHRISTIAAN PIETER VAN DIJK.

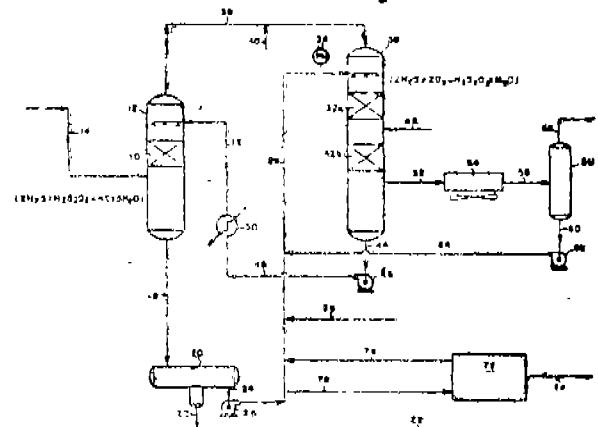
Application for Patent No. 1007/Del/85 filed on November 29, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

11 Claims

A method for recovering elemental sulfur from a hydrogen sulfide containing gas stream by reaction with a thiosulfate solution which comprises :

- (a) contacting the hydrogen sulfide containing gas stream in a first reaction zone with a buffered aqueous solution enriched in thiosulfate ions at a pH between 4.5 and 6.5 for a residence time sufficient to react a portion of the hydrogen sulfide to elemental sulfur and thereby produce a hydrogen sulfide lean gas stream and an aqueous solution lean in thiosulfate ions containing elemental sulfur;
- (b) separating the elemental sulfur from the aqueous solution lean in thiosulfate ions;
- (c) contacting the hydrogen sulfide lean gas stream from the first reaction zone with an oxygen containing gas and the aqueous solution lean in thiosulfate ions in a second reaction zone at an initial pH greater than the pH in the first reaction zone for a residence time sufficient to enrich the thiosulfate ion concentration of the aqueous solution and to produce a hydrogen sulfide depleted gas stream;
- (d) removing the hydrogen sulfide depleted gas stream from the second reaction zone; and
- (e) recycling the aqueous solution enriched in thiosulfate ions to the first reaction zone.



Inventor : GARY CLAUDE CATELLA, RONALD CARL CULL, DAVID ALLAN DILTS, PAUL EDWARD KOCH AND ROBERT ARNOLD HARTMAN.

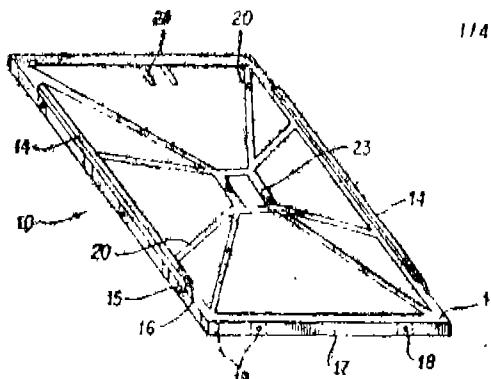
Application for Patent No. 1010/Del/85 filed on 29th November, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

13 Claims

A semirigid photovoltaic module assembly comprising :

- (a) a flexible photovoltaic module;
- (b) a semirigid support member comprising a frame on which said photovoltaic module is adapted to be mounted with its perimeter in contact with said frame, said frame being provided on at least one edge thereof with an inwardly facing flange extending upward from said frame said flange overlapping a portion of the perimeter of said module, and a plurality of rib stiffeners integral with said frame and extending inwardly with respect thereto, said rib stiffeners contacting and supporting said flexible photovoltaic module; and
- (c) means for attaching said photovoltaic module to said support member.



Compl. specn. 20 pages

Drg. 4 sheets

Int. CLASS⁴ : B60S 1/00, 1/04, 1/32 & 1/38 165729

IMPROVED WIPER BLADE.

Applicant : CHAMPION SPARK PLUG EUROPE S.A., (A BELGIAN CORPORATION), OF AVENUE LEO-POLD III, 2A 7120 BINCHE (PERONNES), BELGIUM.

Inventor : CHRISTIAN BENETEAU.

Application for Patent No. 11/Del/86 filed on 2nd January, 1986.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

6 Claims

An improved wiper blade comprising a pressure (4) distributing rod provided with a longitudinal groove of substantially T-shaped cross-section and a wiping element (5) retained in said groove, said wiping (5) element being composed of an upper portion (5a) located in the horizontal bar of the T-shaped groove, a middle (5b) portion located partially in the vertical bar of the T-shaped groove and a lower (5c) portion forming a wiping lip for wiping a surface, characterised in that :

- (a) the walls of said pressure distributing (4) rod defining the vertical bar of said T-shaped groove taper in a direction away from the surface to be wiped;
- (b) the portion of said pressure distributing (4) rod defining the horizontal bar of said T-shaped groove is joined to the walls defining the vertical bar of said T-shaped groove by rounded surfaces disposed within said groove;

(c) the upper (5a) portion of said wiping element is joined to the middle (5b) portion of said wiping (5) element by means of a portion of reduced cross-section, the sides of said joining portion of reduced cross-section being defined by curved surfaces; and

(d) a least a portion of said wiping (5) element is loosely nested within the groove of said pressure (4) distributing rod to permit said element to oscillate with respect to said pressure distributing (4) rod.



Compl. specn. 15 pages

Drg. 1 sheet

Int. CLASS⁴ : A 61 K 37/00

165730

A PROCESS FOR THE ISOLATION OF A NEW HIGHLY SPECIFIC SIALIC ACID BINDING LECTIN (ACHATININ) FROM ACHATINA FULICA SNAIL.

Applicant : COUNCIL OF SCIENTIFIC & INDUSTRIAL RESEARCH, RAFI MARG, NEW DELHI-110 001, INDIA, AN INDIAN REGISTERED BODY INCORPORATED UNDER THE REGISTRATION OF SOCIETIES ACT (ACT XXI OF 1860).

Inventors : DR. CHITRA MANDAL AND SUJATA BASU.

Application for Patent No. 1085/Del/86 filed on 10th December, 1986.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

9 Claims

A process for the isolation of a new highly specific sialic acid binding lectin (Achatinin) from hemolymph of *Achatina fulica* snail which comprises allowing the blood collected from *Achatina fulica* snail, to clot at room temperature, centrifuging the blood and separating the supernatant liquid and dialysing using a known buffer containing calcium at a pH in the range of 8 and 9 and the temperature in the range of 10-15°C, passing the dialysed blood through an affinity column containing a glyco protein which will bind the protein contained in the dialysed blood, washing the column using the buffer used above to remove unwanted protein from the column and eluting the bound protein with the same buffer, but without calcium at a pH 8-9.

Compl. specification 9 pages.

CLASS : 9-D, F and 108-C₃

165731

Int. Cl. : C 01 b 33/00.

A PROCESS FOR THE PRODUCTION OF SILICON OR FERROSILICON IN AN ELECTRIC LOW SHAFT FURNACE AND RAW MATERIAL MOULDINGS SUITABLE FOR THE PROCESS.

Applicant : INTERNATIONAL MINERALS & CHEMICAL CORPORATION, OF 2315 SANDERS ROAD, NORTHBROOK, ILLINOIS 60062, U.S.A.

Inventors : (1) GERT-WILHELM LASK, (2) ROBERT ALLEN NOODEN.

Application No. 343/Cal/1986 filed May 01, 1986.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

9 Claims

A process for the production of silicon in an electric shaft furnace, in which raw-material blanks are first formed in the form of mouldings with a bituminous binder, of which fine-particle silica powder has been added having a specific internal area of at least $5\text{m}^2/\text{g}$. in a quantity such that:

coke structure agglomerates having a specific internal carbon area of more than $5\text{m}^2/\text{g}$, in all, preferably above $10\text{m}^2/\text{g}$, are formed on reduction of the silicon to silicon carbide in the raw-material mouldings, which mouldings contain fine-grain silicon dioxide and carbon in excess in respect of the reduction to silicon carbide and the raw-material mouldings are introduced into the low shaft furnace as a charge in mixture with silicon dioxide in lump form, the silicon dioxide in the raw-material mouldings being reduced to silicon carbide in a part of the electric low shaft furnace at a temperature of below 1600°C and coke structure agglomerates being formed from the raw-material moulding carbon unused during this reduction, the molten silicon dioxide added in lump form with the charge being reduced, with the silicon carbide and carbon from the coke structure agglomerates, to silicon in a bottom part of the electric low shaft furnace at a temperature of above 1600°C , preferably from 1800 to 2000°C .

Compl. specn. 17 pages

Drg. Nil

CLASS : 39-E

165732

Int. Cl. : C 01 f 7/12

METHOD FOR PREPARING A CLEAR SOLUTION OF AMORPHOUS SODIUM ALUMINOSILICATE SEEDS.

Applicant : ENGELHARD CORPORATION, 70 WOOD AVENUE SOUTH, ISELIN, NEW JERSEY, U.S.A.

Inventors : CAROL ANN ALTOMARE.

Application No. 397/Cal/1986 filed May 28, 1986.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

6 Claims

The method for preparing a clear solution of amorphous sodium aluminosilicate seeds having increased storage life which comprises:

mixing solutions of sodium silicate, sodium aluminate and sodium hydroxide;

characterized in that said solution mixture is heated to a temperature of from 80 to 120°F to

mature the seeds in said solution mixture followed by diluting the clear seed solution using alkaline sodium silicate solution having a $\text{SiO}_2/\text{Na}_2\text{O}$ molar ratios in the range of $1/1$ to $1/1$ and a concentration in the range of 30 to 45% to result in a diluted clear solution of amorphous sodium aluminosilicate seeds having 12.5% to 85% volume of the said alkaline sodium silicate.

Compl. specn. 27 pages

Drg. Nil

CLASS : 94-G

165733.

Int. Cl. : B 02 c 25/00.

METHOD AND APPARATUS FOR THE FORMATION AND PRODUCTION OF SUBTERRANEAN WELLS BY ELECTRICAL ENERGY.

Applicant : CEEE CORPORATION, FOURTH FLOOR, 6, LANDMARK SQUARE, STAMFORD, CONNECTICUT 06902, U.S.A.

Inventor : CODINA, GEORGE.

Application No. 409/Cal/1986 filed June 02, 1986.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

11 Claims

Apparatus for the formation and production of subterranean wells by fragmenting a substance comprises:

a plurality of electrodes adapted to be placed in contact with the substances characterized by;

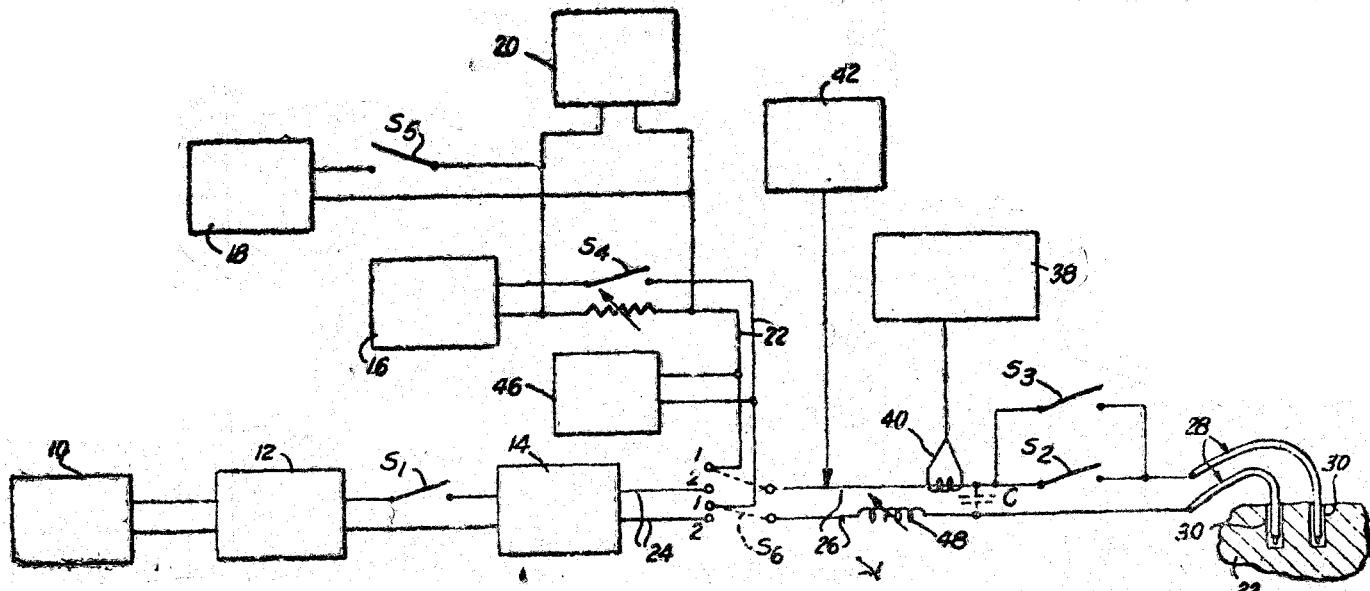
means to generate a first series of measuring pulses, the measuring pulses having common voltage amplitude, but different time duration; means to measure the current amplitudes of the measuring pulses;

means to generate at least one fragmenting pulse having an energy level of between 0.5 and 100 KJ and a time duration approximately equal to the time duration of the measuring pulse having the largest current amplitude; and

electrical transmission lines having switch means therefor connecting the plurality of electrodes with the means to generate the measuring pulses or the means to generate the at least one fragmenting pulse.

Compl. specn. 17 pages

Drg. 1 sheet



CLASS : 48-D_a

165734

Int. Cl. : H 01 r 13/00.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

DEVICE FOR CONNECTION OF CABLE STRANDS.

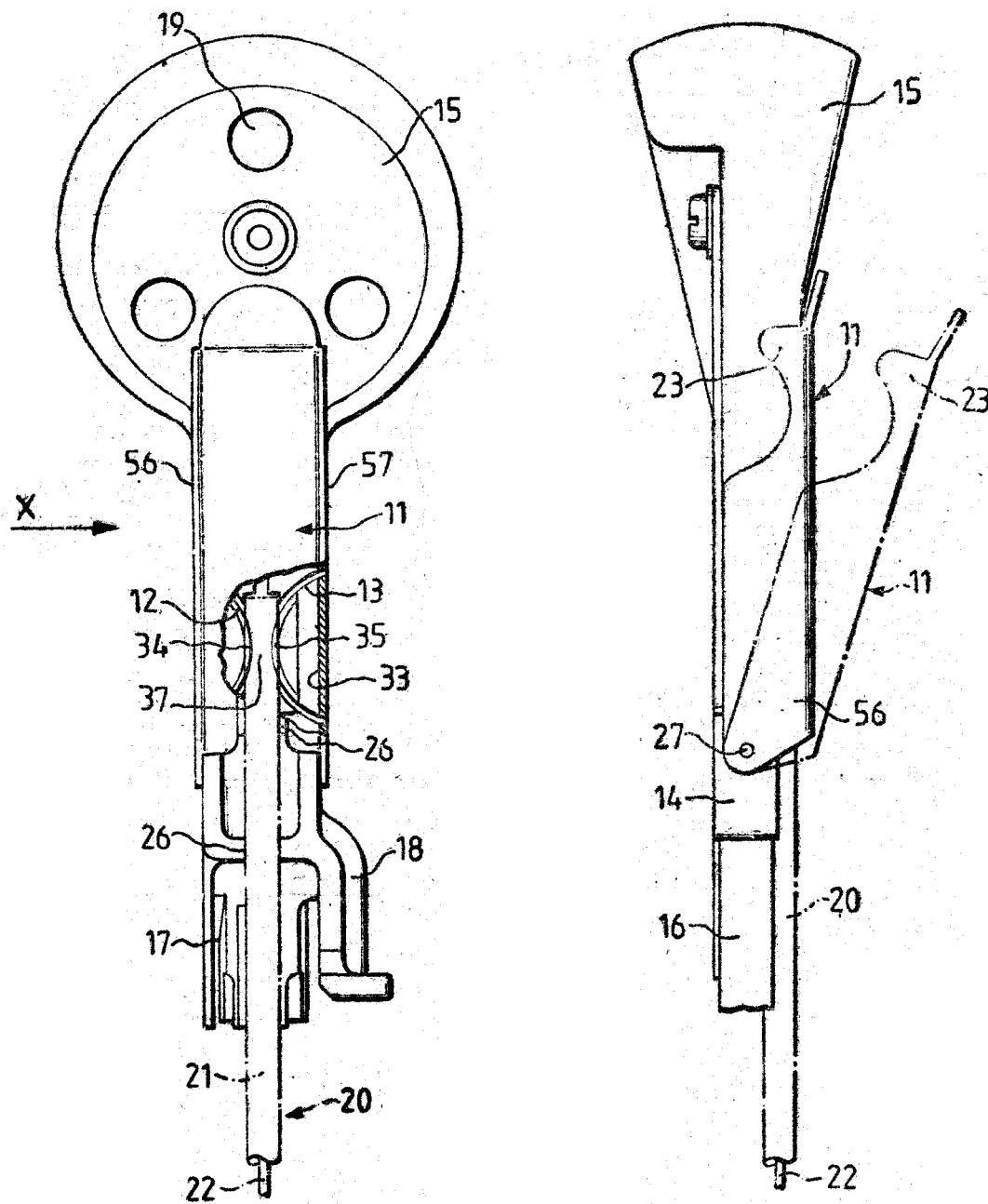
Applicant : KRONE AKTIENGESELLSCHAFT, OF BEESKOWDAMM 3-11, D-1000 BERLIN 37, WEST GERMANY.

Inventors : (1) EBERHARD KLAIBER, (2) DIETER GERKE.

Application No. 447/Cal/1986 filed June 17, 1986.

7 Claims

A device for the connection of cable strands with an insulation sheath which is thick in relation to the cross-section of the conductor core, to cut off/clamp-contact terminals comprising a basic portion being a shaft, with a cable guide groove and a pre-cutting device pivotably mounted on said basic portion for the cutting away partially at least, of the insulation sheath of a cable strand which is placed in said guide groove.



CLASS

165735

Int. Cl. : B 22 d 41/00.

VACUUM ARC-HEATING TYPE LADLE REFINING APPARATUS.

Applicant : HITACHI, LTD., OF 6, KANDA SURUGA-DAI 4-CHOME, CHIYODA-KU, TOKYO, JAPAN.

Inventors : (1) MASUO KADOSE, (2) TEIICHI SHIMIZU, (3) ISAO SHIBATA, (4) TOKUO SEKIJIMA.

Application No. 449/Cal/1986 filed June 17, 1986.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

7 Claims

A vacuum arc-heating type ladle refining apparatus comprising :

a ladle for receiving therein molten metals;

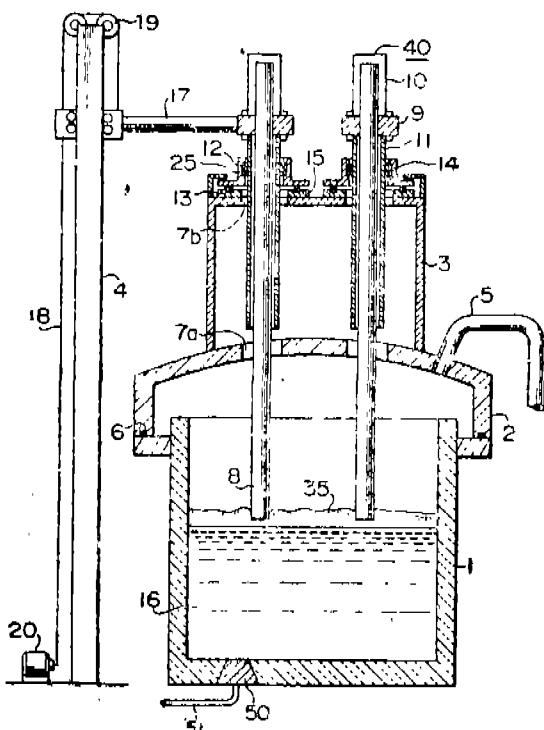
a ladle-cover;

said ladle-cover being provided with an evacuation duct leading to a vacuum pump and openings through which respective arc-heating electrodes are to be inserted;

said arc-heating electrodes adapted to be inserted through said respective openings; and

lift means for said electrodes;

characterized in that said ladle-cover is provided thereabove with a vacuum chamber which in turn is provided with openings through which said respective electrodes are to be inserted, and said vacuum chamber is provided with seal means for sealing formation between said openings and said respective electrodes.



CLASS :

165736

Int. Cl. : A 61 k 7/00.

A PROCESS FOR PREPARING A WATER-SOLUBLE ANTIOXIDANT PLANT MATERIAL.

Applicant : BAR ILAN UNIVERSITY, OF RAMAT GAN, ISRAEL.

Inventors : (1) MICHAEL ALBECK, (2) SHLOMO GROSSMAN.

Application No. 460/Cal/1986 filed June 20, 1986.

Complete Specification left on 16th October, 1986.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

15 Claims

A process for preparing a water-soluble anti-oxidant plant material which comprises :

subjecting to extraction of a plant material selected from the group consisting of *Spinacia*, *Trifolium Medicago*, *Nicotiana*, *Zea*, *Pennisetum*, *Algae* and *Allium* with water using a plant to water ratio of between 0.5 : 100 to 1.0 : 5;

subjecting the extracted material or fraction thereof obtained by chromatographic fractionation;

to a step of separation in a manner known per se to obtain the anti-oxidant material which is stable for an extended period of time under ambient conditions;

said plant material having been communicated at a temperature of between 4–100°C prior to or simultaneously with the said extracting step.

CLASS : H 01 h 71/00

165737

AN ELECTRICAL CIRCUIT BREAKER.

Applicant : WESTINGHOUSE ELECTRIC CORPORATION, OF WESTINGHOUSE BUILDING, GATEWAY CENTER, PITTSBURGH, PENNSYLVANIA, 15222, UNITED STATES OF AMERICA.

Inventors : (1) CHARLES RICHARD PATON, (2) CHARLES ELLSWORTH HAUGH.

Application No. 481/Cal/1986 filed June 25, 1986.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

13 Claims

An electrical circuit breaker comprising :

a first electrical contact having a base portion;

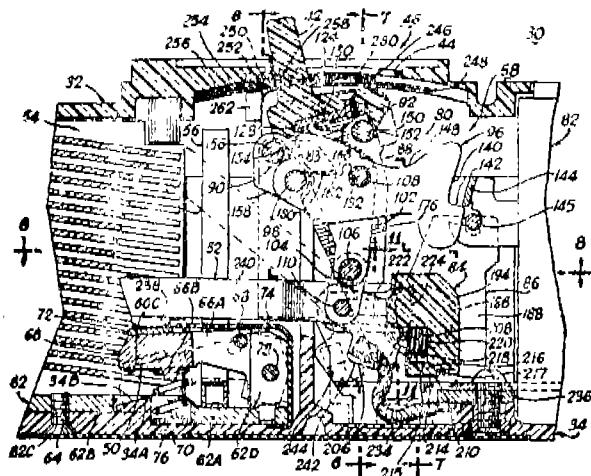
a second electrical contact;

operating means for moving said first and second electrical contacts into a CLOSED position and into an OPEN position;

said operating means comprising a rotatable cross-bar for receiving said base portion;

said operating means including spring means for releasably biasing said base portion into driving engagement with said cross-bar for enabling rotational movement of said first electrical contact in unison with the rotational movement of said cross-bar and for enabling rotational movement of said first electrical contact substantially independently of the rotational movement of said cross-bar upon the occurrence of a fault current condition;

said spring means comprising a leaf spring having an outwardly projecting cam surface for engaging said base portion and to provide spring force to said base portion.



Compl. specn. 39 pages

Drg. 8 sheets

CLASS : 69-0. K & P

165738

Int. Cl. : H 01 h 9/02; 31/00; 33/00.

CIRCUIT BREAKER WITH ARC GAS VENT BAFFLE.

Applicant : WESTINGHOUSE ELECTRIC CORPORATION, OF WESTINGHOUSE BUILDING, GATEWAY CENTER, PITTSBURGH, PENNSYLVANIA 15222, UNITED STATES OF AMERICA.

Inventors : (1) KURT ALBERT GRUNERT, (2)
ROGER EUGENE WALKER, (3) CHARLES RICHARD
PATON, (4) DAVID ANTHONY LEONE, (5) DAVID
CURTIS TURNER.

Application No. 497/Cal/1986 filed July 02, 1986.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

6 Claims

A circuit breaker with an arc chamber vent baffle comprising:

an electrically insulated housing including line and load terminals;

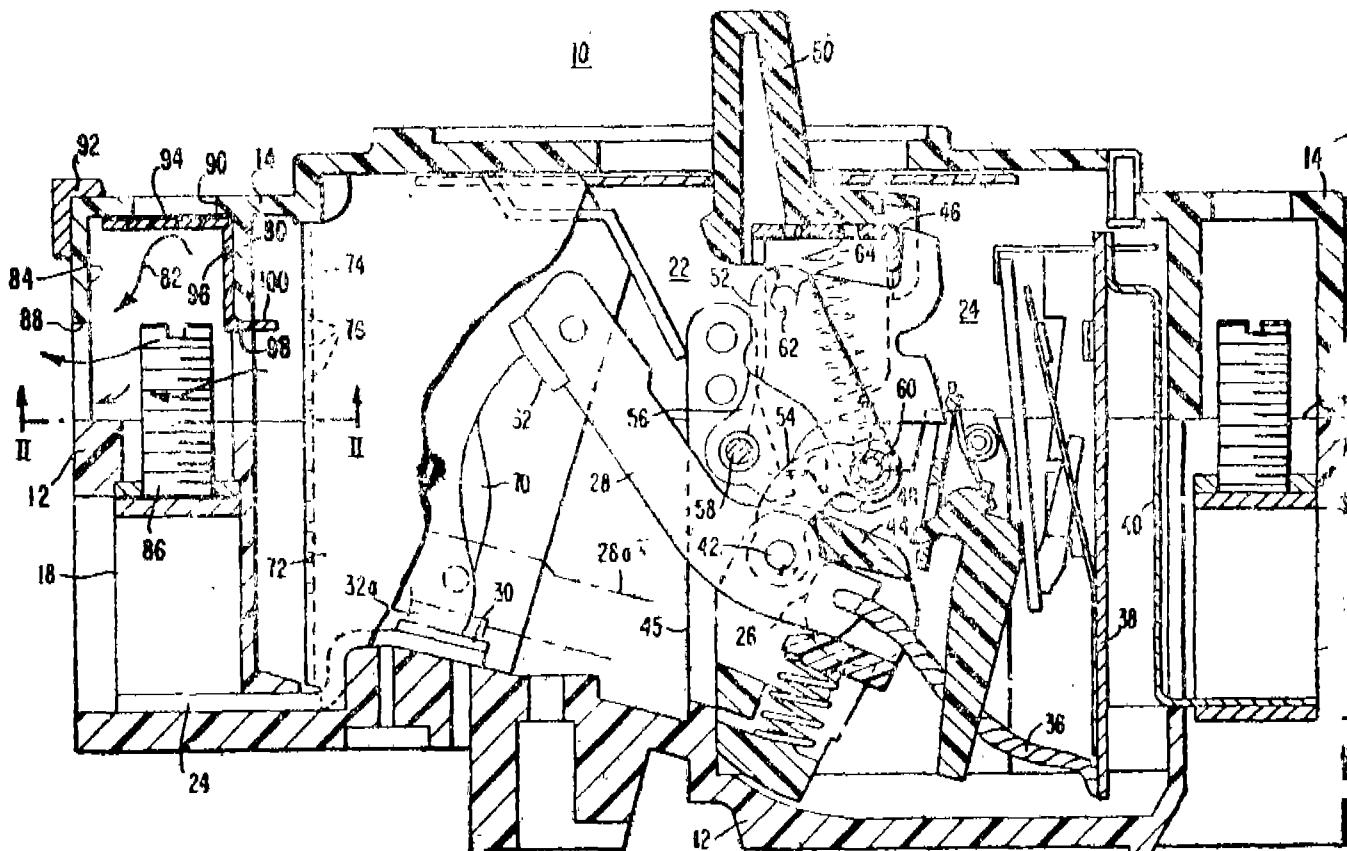
an arc quenching chamber within the housing;

a circuit breaker structure within the housing and having stationary and movable contacts operable between open and closed positions in an arcing zone within the chamber;

the housing having wall means forming a compartment for containing each terminal and having opening between the corresponding chambers and compartments, one of the openings being aligned with terminal for access thereto;

baffle means extending over the one opening to prevent any arc gases from flowing through the one opening and adapted to avoid a phase-to-ground electrical breakdown between the terminal and any proximate electrical conductor adjacent to the one opening; and

the baffle means being deflectable by any tool inserted through the one opening for adjustment of the terminal.



Compl. specn. 9 pages

Fig. 2 *st.*

CLASS : 139-A

165739

Int. Cl. : C 01 b 31/00; C 09 c 1/48.

APPARATUS AND PROCESS FOR PRODUCING CARBON BLACK.

Applicant : DEGUSSA AKTIENGESELLSCHAFT OF WEISSFRAUENSTRASSE 9, 6000 FRANKFURT (MAIN), F.R. GERMANY.

Inventors : (1) EULAS WEBB HENDERSON, (2) MARK LEE GRAVIEY.

Application No. 537/Cal/1986 filed July 17, 1986.

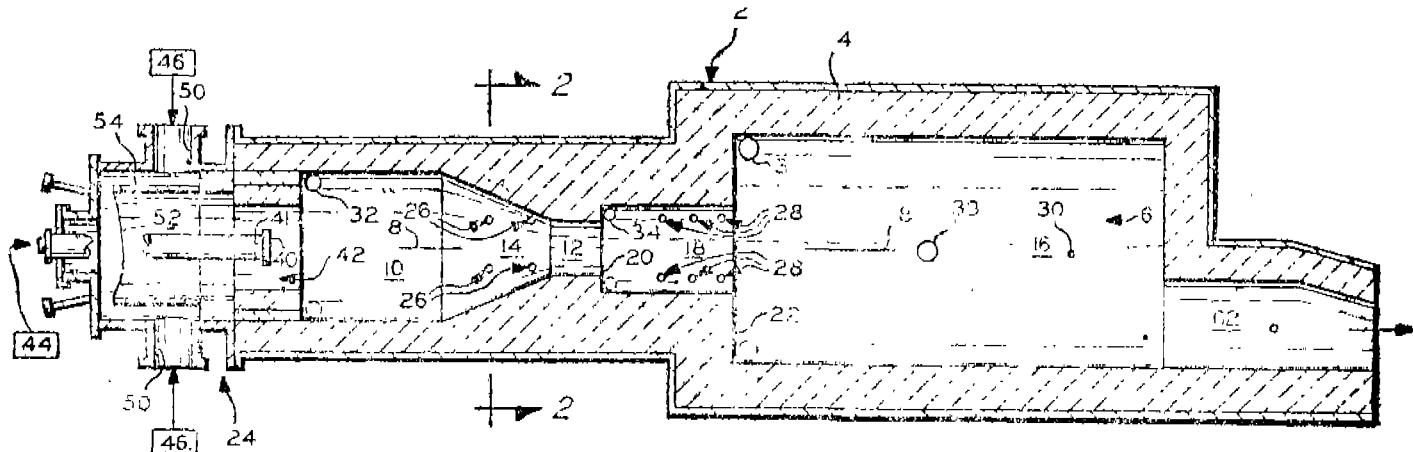
Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

17 Claims

A process for producing carbon black in a reaction flow passage said process comprising :

(a) combusting a hydrocarbon fuel with excess amounts of oxygen-containing gas to form a mass of hot combustion gases ;

- (b) flowing the hot combustion gases through a converging zone;
- (c) introducing a conventional carbonaceous feedstock generally radially inwardly into the hot combustion gases from the periphery of the converging zone to form a first reaction mixture;
- (d) flowing the first reaction mixture through a reactor throat, past an abrupt expansion in the reaction flow passage at the downstream end of the throat, and into the upstream end of a reaction zone; and
- (e) introducing additional carbonaceous feedstock generally radially inwardly into the reaction mixture from periphery of the reaction zone to form a second reaction mixture and flowing the second reaction mixture past an abrupt expansion in the reaction flow passage, the contact of the hot combustion gases with the carbonaceous feedstock in any of the above steps causing the formation of carbon black, and then flowing the reaction mixture into a quench zone having a sufficiently large diameter and length to provide for the termination of the formation of carbon black which is carbon deposit-free when said reaction mixture is exposed to quenching fluid, for example, water, at a suitable temperature as known per se.



Compl. specn. 9 pages

Drg. 1 sheet

CLASS :

165740

Int. Cl. : B 05 b 1/00; 3/00; 7/00.

AIRLESS SPRAY GUN.

Applicant : (1) WAGNER INTERNATIONAL AG., OF INDUSTRIESTRASSE 22, CH-9450 ALTSTATTEN, SWITZERLAND; (2) J. WAGNER GMBH, OF EISENBAHNSTRASSE 18-24, D-7990 FRIEDRICHSHAFEN 1, FEDERAL REPUBLIC OF GERMANY.

Inventor : HAN-JOACHIM BOLL.

Application No. 578/Cal/1986 filed July 30, 1986.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

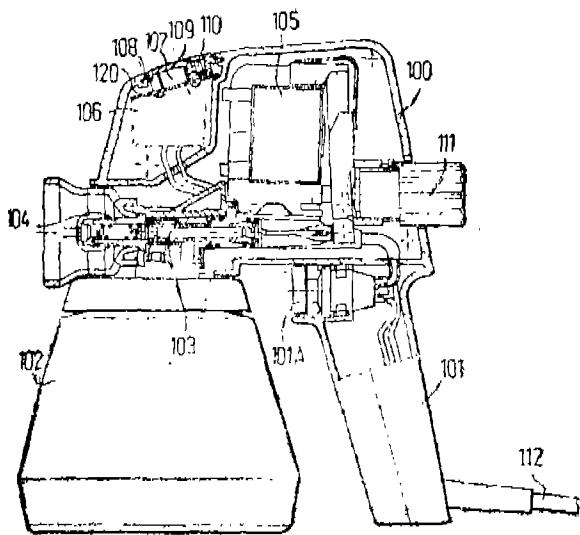
28 Claims

An airless spray gun for spraying a material from a reservoir, comprising :

- a pump piston for pumping material from the reservoir;
- a drive arrangement having a coil and a swinging armature for driving said pump piston and adapted to be connected to an alternating current source to give an input and said coil having an output connection;

a suppression circuit connected to said input to suppress an arbitrarily selectable whole number of successive half-waves of the alternating current source, said suppression circuit including a plurality of suppression stages to transmit corresponding ones of half-waves of the alternating current source in unaltered size and duration; and

a plurality of phase-angle control circuits corresponding in number to the number of said suppression stages, each of said phase-angle control circuits being connected to one of said suppression stages and effecting a phase-angle of a predetermined size for transmittal to said coil.



REGISTRATION OF DESIGNS

The following design have been registered. They are not open to inspection for a period of two years from the date of registration except as provided for in Section 50 of the Design Act, 1911.

The date shown in the each entry is the date of registration of the design included in the entry.

Class 1. No. 160992. Madhavi Products (a registered Partnership firm) at Bhadotri Sangh Chawl, Room No. 1, Vilhal Pada, N.B. Road, Chincholi, Malad (W) Bombay-400 064. State of Maharashtra, India. "a Sliding device for door pannel in a cabinet". 17th May, 1989.

Class 1. No. 161020. Akhlasuddin 138 Takia Mulaim Shah, Turkman Gate, Aligarh (U.P.) India, Indian by Nationality. "a Pad-lock". 29th May, 1989.

Class 1. No. 161166. M/s. Avcon Controls Pvt. Ltd. of Unit 23/24, New Nandu, Ind. Estate, Mahakali Caves, Road Andheri (East), Bombay 400 093, Maharashtra, India, Indian Company. "Metal Valves". 7th July, 1989.

Class 3. No. 160984. M/S Datar Switchgears Pvt. Ltd., of Datar Apartment, Commercial Complex, Vakil Wadi, Nasik-422 001, Maharashtra, India, Indian Company. "Relay". 12th May, 1989.

Class 3. No. 161021. Sajavat, 210, Golf Links, New Delhi-110003 (India). "Planter". 29th May, 1989.

Class 3. No. 161032. Sajavat, 210, Golf Links, New Delhi-110003 (India). "Decoration Novelty". 31st May, 1989.

Class 3. No. 161035. Du Pont De Nemours (France) S.A., a French body corporate of 137, rue de l'Universite-75007 Paris, France. a "Container". 1st June, 1989.

Class 3. No. 161041. GEC Plessey Telecommunications Limited, of New Century Park, P.O. Box 53, Coventry, CV3 1HJ, England, a British Company. "Portable Telephone". Reciprocity date is 25th January, 1989 (U.K.).

Class 3. No. 161403. MRF Limited, Tarapore Tower, Tamil Nadu, India, 826 Anna Salai Indian Company, Madras-600 002. "Automobile Tyres". 11th September, 1989.

Class 10. Nos. 161497 to 161506. Bata India Limited, 30, Shakespeare Sarani, Calcutta 700 017, West Bengal, India. "footwear". 6th October, 1989.

Class 12. No. 161100. Munch Food Products, (P) Ltd. D-992, New Friends Colony, New Delhi-110065, a company incorporated under the Indian Companies Act. "Chocolate". 20th June, 1989.

Copyright Extended for the Second Period of five years.

Nos. 154064, 153649. Class 1

Nos. 154599, 153987, 160542. Class 3

No. 155193. Class 4

No. 160451. Class 5

No. 154520. Class 11.

Copyright Extended for the Third Period of five years.

No. 161542. Class 3

No. 160451. Class 5

No. 154520. Class 11.

R A. ACHARYA
Controller General of Patents, Designs
and Trade Marks